Arun Kumar Kushwaha

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EDUCATION

Army Institute of Technology   Pune, Maharashtra
Bachelor of Engineering in Electronics and Telecommunications, CGPA: 8.44/10   *Aug. 2023 – Present*

EXPERIENCE

Software Developer Intern   Upheaval Technologies
React, Tailwind CSS, Node.js, Express.js, Redux, Angular, REST APIs, Git   *Dec 2024 – Mar 2025*
- Developed a secure, AI-proctored quiz platform with facial recognition and tab-switch detection, used by 600+ students.
- Integrated RESTful APIs for real-time quiz operations, reducing data latency and enhancing user interaction across 600+ test-takers.
- Engineered seamless video streaming support using Angular and Express.js, improving content delivery speed and ensuring uninterrupted learning.
- Optimized application state management by implementing Redux, which reduced re-render time and improved performance.

Joint Secretary   Innovation and Entrepreneurship Cell, AIT Pune
React, Tailwind CSS, Flutter, Git, Figma   *July 2024 – June 2025*
- Led the design and development of Startup Saga 4.0 website, contributing to a national-level hackathon with 6000+ registrations.
- Built and deployed the AIT Startup Stories portal using React, Express.js and Node.js, enabling 200+ alumni to publish startup journeys and fostering mentorship connections.
- Led the frontend development of LaundryEzy, a Flutter-based laundry solution used by 800+ students.
- Managed over 20-member cross-functional team for event outreach, technical infrastructure and sponsorship acquisition.

Joint Secretary   Open Source Software Club, AIT Pune
React, Flutter, Node.js, Express.js, TypeScript, Socket.io, Gemini API, Flutter BLoC   *July 2024 – June 2025*
- Designed the official site for Innerve, India's largest student-driven hackathon, securing 9000+ registrations.
- Conducted a Flutter masterclass for 400+ students, building a real-time chat app with Flutter, Node.js, TypeScript, Socket.io, Gemini API.
- Promoted technical skills development by mentoring 400+ peers in open-source contributions and live website development, improving student project participation by 60%.

PROJECTS

Pull Quest | *React, Zustand, Node.js, Express.js, MongoDB, GitHub REST APIs*   GitHub
- Built a full-stack platform for open-source contributions that introduces a virtual coin-based staking system, incentivizes meaningful pull requests, tracks contributor performance, and provides recruiters with profile-based insights.
- Implemented the coin-based reward system for open-source platform; increased quality code contributions through incentivizing meaningful pull requests and penalizing low-quality submissions, fostering accountability.
- Enabled recruiters to discover top contributors using tags like experience, ranking, and earned coins, bridging the gap between open-source work and hiring visibility.

TaskPro | *React, React Router v7, Tailwind CSS v4, TypeScript, Node.js, Express.js, MongoDB*   GitHub
- Created a full-stack project management tool with React and MongoDB, featuring dynamic task boards, secure authentication, and modular workspace management.
- Key features include user profile management, real-time notifications, and comprehensive authentication with email verification, 2FA, and password recovery options.

CalcAI | *React, TypeScript, Mantine, Python, Gemini API*   GitHub
- Developed an AI-powered computational tool in Python integrated with Gemini API, achieving 85% accuracy on advanced calculation tasks in academic demos.

SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, C++, Python   **Frontend:** React, Tailwind CSS, Flutter
Backend: Node.js, Express.js, Flutter   **Database/ORMs:** MongoDB, Redis
Tools/Platforms: Redux, Tanstack, Vite, Postman, VS Code, Git, GitHub, Figma, Adobe Illustrator, Canva
Soft Skills: Versatility, Teamwork, Communication, Problem Solving, Public Speaking, Idea Presentation, Organizing

ACHIEVEMENTS

- **Hackprix Season 2:** Selected among the top teams from over 150+ national participants
- **HackArena, IIIT Delhi:** Selected among the top 30 teams from over 9000+ national participants
- **Flutter Lead, Google Developer Student's Club:** (Oct. 2023 - Present) Spearheaded mobile app development initiatives, mentoring over 400+ peers in Flutter through workshops.
- **Smart AIT:** Designed and deployed a web-based gate management system leveraging QR code technology and digital leave request automation, enhancing security and streamlining entry/exit for over 800 campus residents.
- **CBSE Merit Certificate – Mathematics Excellence:** Ranked in the top 0.1% nationally; awarded for achieving a perfect score (100/100) in mathematics in the CBSE board examinations.